$$\int_{\alpha}^{b} \overline{f(x)} + g(x) \int_{\alpha}^{c} dx = \int_{\alpha}^{b} f(x) dx + \int_{\alpha}^{b} g(x) dx$$

$$\int_{\alpha}^{b} f(x) = \int_{\alpha}^{c} f(x) + \int_{c}^{b} f(x) dx$$

保存性 [a,b]上f(x)20 laf(x)dx 20 指证[a,b]上f(x) < g(x) $\int_a^b f(x) \leq \int_a^b g(x)$

(循定理) 用来去陈和历号

 $f(3) = \int_{-a}^{b} \int_{a}^{b} f(x) dx$

估值定理

[a,b]上fix)连续, M最大值加最大值

$$m(b-a) \leq \int_a^b f(x)dx \leq M(b-a)$$

$$m \leq \int_{a}^{b} \int_{a}^{b} f(x) dx \leq M$$

$$f(\frac{3}{2})$$

理解为fix)在[a,b]上的形态

牛板革布尼茨公式

$$\int_{a}^{b} f(x)dx = F(b) - F(a)$$

罗和分指元公式

过竞要变

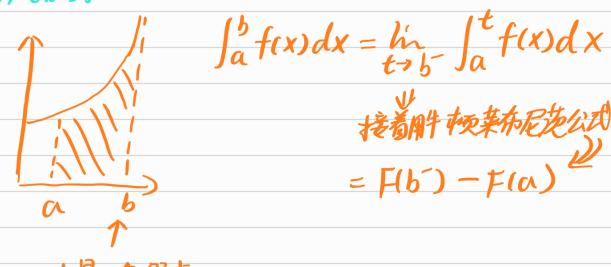
$$\int_{\alpha}^{b} f(x) dx = \int_{\alpha}^{\beta} f[\Psi(t)] \Psi(t)^{3} dt$$

定积分标积分法

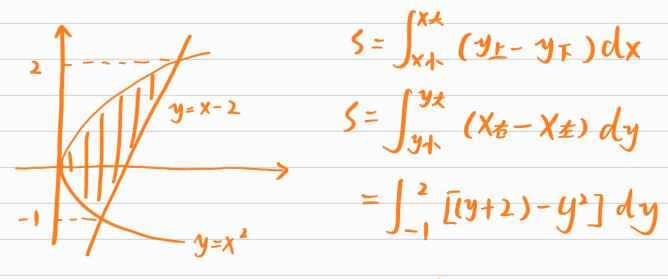
$$\int_a^b v \, dv = (vv) \Big|_a^b - \int_a^b v \, dv$$

广X495 把范围扩展到 ±∞

形积为



$$\int_{a}^{b} f(x)dx = \lim_{t \to c} \int_{a}^{t} f(x)dx + \lim_{t \to c} \int_{t}^{b} f(x) dx$$



$$e$$
 f \mathcal{L}_{X} \mathcal{L}_{X}

